

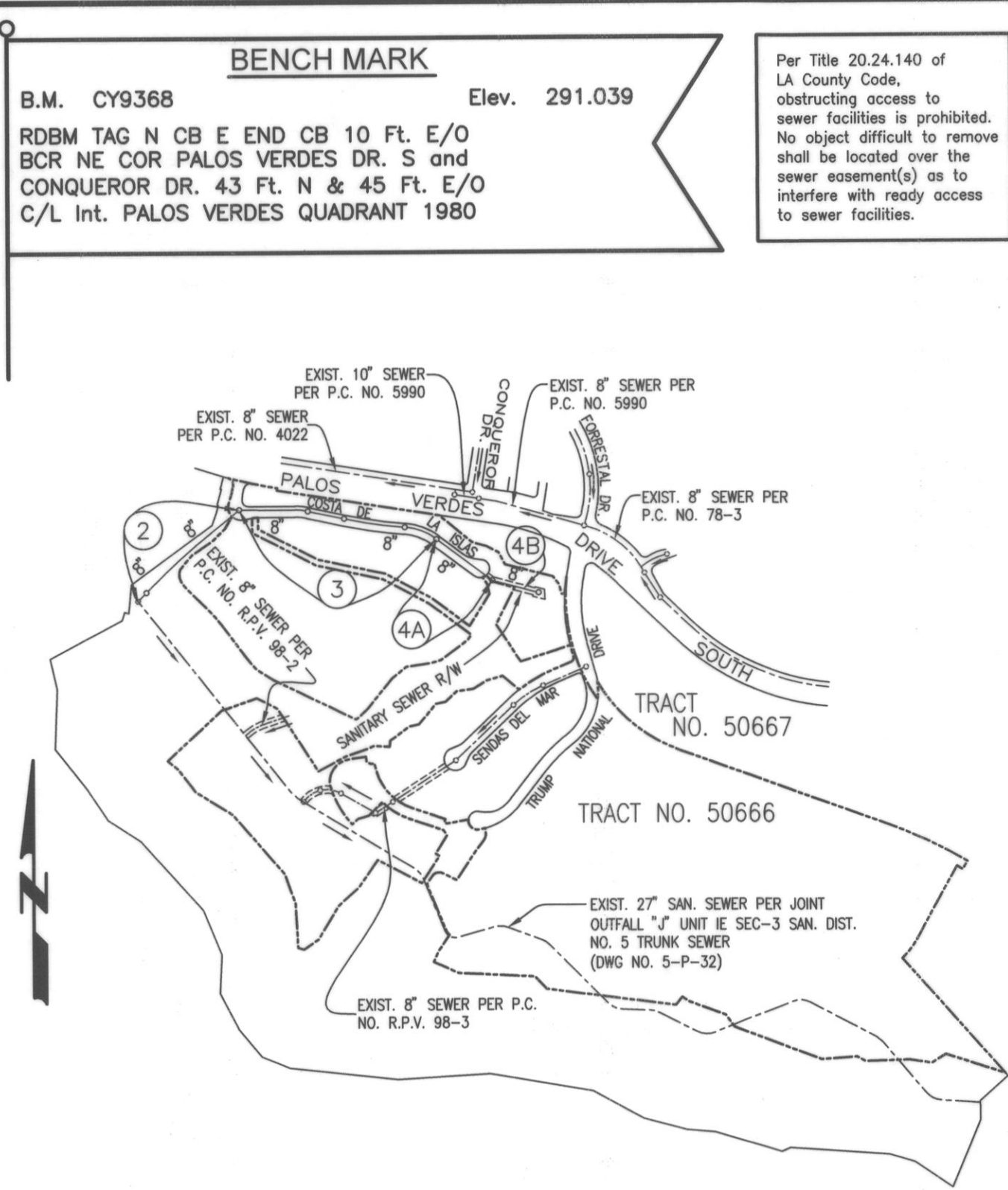
From: Scott Campbell <scampbell@trumpnational.com>
Sent time: 11/15/2019 05:58:15 PM
To: Amy Seeraty; Lili Amini <lamini@trumpnational.com>
Subject: 2019-09-20 Approved Sewer Tr 50666.pdf
Attachments: 2019-09-20 Approved Sewer Tr 50666.pdf ATT00001.txt

Hi Amy

This is the sewer plans for the work we will be doing.

Thank you Scott Campbell
Project Manager
Trump National LA
415-760-4040
scampbell@trumpnational.com

2019-09-20 Approved Sewer T: 50666, 001



INDEX MAP

SCALE: 1" = 600' CSDM INDEX S-1601

P.C. RPAL 07-1 TR. NO. 50666

THOMAS GUIDE PAGE: 823, D-6

NO.	REVISION	REVISED BY	APPROVED BY	DATE

STORMWATER POLLUTION PLAN NOTES

A. NOTES:

- Every effort should be made to eliminate the discharge of non-stormwater from the project site at all times.
- Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheetflow, swales, area drains, natural drainage courses or wind.
- Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- Fuels, oils, solvents, and other toxic materials must be stored in accordance with their labeling and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- Excess or waste concrete may not be washed into the Public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
- Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersed by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way.
- Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
- The following BMPs as outlined in, but not limited to, the latest edition of the *California BMP Handbook (Construction)* or *Caltrans Stormwater Quality Handbooks (Construction Site BMP Manual)*, may apply during the construction of this project (additional measures may be required if deemed appropriate by the Project Engineer or the Building Official)

EROSION CONTROL

EC1 SCHEDULING
EC2 PRESERVATION OF EXISTING VEGETATION
EC3 HYDRAULIC MULCH
EC4 HYDROSEEDING
EC5 SOIL BINDERS
EC6 STRAW MULCH
EC7 GEOTEXTILES & MATS
EC8 WOOD MULCHING
EC9 EARTH DIMES AND DRAINAGE SWALES
EC10 VELOCITY DISSIPATION DEVICES
EC11 SLOPE DRAINS
EC12 STREAMBANK STABILIZATION
EC13 RESERVED
EC14 COMPOST BLANKETS
EC15 SOIL PREPARATION/ENHANCING
EC16 NON-VEGETATED STABILIZATION

NON-STORM WATER MANAGEMENT

NS1 WATER CONSERVATION PRACTICES
NS2 DETERMINING OPERATIONS
NS3 PAVING AND GRINDING OPERATIONS
NS4 TEMPORARY STREAM CROSSING
NS5 CLEAR WATER DIVERSION
NS6 ILLICIT CONNECTION/DISCHARGE
NS7 PORTABLE WATER/BIRIGATION
NS8 VEHICLE AND EQUIPMENT CLEANING
NS9 VEHICLE AND EQUIPMENT FUELING
NS10 VEHICLE AND EQUIPMENT MAINTENANCE
NS11 PILE DRIVING OPERATIONS
NS12 CONCRETE CURING
NS13 CONCRETE FINISHING
NS14 MATERIAL AND EQUIPMENT USE
NS15 ISOLATION ADJACENT TO WATER
NS16 TEMPORARY BATCH PLANTS

WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL

WM1 MATERIAL DELIVERY AND STORAGE
WM2 MATERIAL USE
WM3 STOCKPILE MANAGEMENT
WM4 SPILL PREVENTION AND CONTROL
WM5 SOLID WASTE MANAGEMENT
WM6 HAZARDOUS WASTE MANAGEMENT
WM7 CONTAMINATION SOIL MANAGEMENT
WM8 CONCRETE WASTE MANAGEMENT
WM9 SANITARY/SEPTIC WASTE MANAGEMENT
WM10 LIQUID WASTE MANAGEMENT

TEMPORARY SEDIMENT CONTROL

SE1 SILT FENCE
SE2 SEDIMENT BASIN
SE3 SEDIMENT TRAP
SE4 CHECK DAM
SE5 FIBER ROLLS
SE6 GRAVEL BAG BERM
SE7 STREET SWEEPING AND VACUUMING
SE8 SANDBAG BARRIER
SE9 STRAW BALE BARRIER
SE10 STORM DRAIN INLET PROTECTION
SE11 ACTIVE TREATMENT SYSTEMS
SE12 TEMPORARY SILT DIKE
SE13 COMPOST SOCKS & BERMS
SE14 DRIFTER BAGS

WIND EROSION CONTROL

WE1 WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

TC1 STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 STABILIZED CONSTRUCTION ROADWAY
TC3 ENTRANCE/OUTLET TIRE WASH

B. STANDARD PLANS:

The following latest revised standard plans on file in the office of the following department shall apply in the construction of this project.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

Legend for sanitary sewer plans and profiles and district maps.	
2000-0 Precast concrete shallow manhole.	2021-1 Bedding for sewer pipe.
2003-1 Reinforced precast concrete manhole.	2023-2 Cording and encasement.
2004-1 Rectangular shallow manhole.	2024-1 WYE or TEE support.
2014-1 Rectangular manhole frame and cover.	2026-1 Erosion protection in steep slopes.
2015-1 Standard manhole step.	2027-1 Allowable trench width.
	600B-1 Minimum public safety requirements.
	2100-1 Requirement for sanitary sewers near water mains
	221-2 Pipe anchors and backfill stabilizers
	222-2 House connection sewer
	223-2 House connection remodeling
	225-2 Blanket protection for pipes

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPWP)

200-3 Precast Concrete Sewer manhole.	
207-2 Precast reinforced concrete manhole base	
208-2 Breaking into existing manholes	
210-3 Manhole frame and cover locking type	
220-3 Chimneys	

NOTES:

Any damage to the sewer line shall be the responsibility of the contractor/owner. All grading and construction occurring over and the vicinity of the existing sewer shall be performed in the presence of a County Inspector. Where applicable, the sewers shall be protected per Sld. Plan 2023-2 at all significant crossings.

NOTICE TO CONTRACTOR:

LOT 4 THRU K, AND LOTS 24 AND 25 ARE RESTRICTED FROM CONSTRUCTION OF BUILDINGS AND WILL NOT BE SERVED BY THIS SEWER.

EXISTING SEWER SYSTEM SHALL BE OPERATIONAL AT ALL TIMES DURING CONSTRUCTION / RECONSTRUCTION. NOTIFY AFFECTED HOMEOWNERS AT LEAST 72 HOURS IN ADVANCE.

The developer shall be responsible for the continued maintenance of PC RPAL 07-1 sanitary sewer until the County formally accepts it for maintenance. All manholes, manholes and laterals shall be protected from damage and infiltration.

MAINTAIN SEWER FLOW AT ALL TIMES DURING CONSTRUCTION.

SEWER BACKWATER VALVES SHALL BE NECESSARY FOR LOTS 14 THRU 23

SEWER VIDEO OF ALL SEGMENTS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE (98%) AND COMPLETED FIELD ACCEPTANCE (98%). FINAL MAP AND AS-BUILT SEWER PLANS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE.

SEWER LATERALS SHOWN ON PLANS ARE FOR REFERENCE ONLY.

ALL SANITARY SEWER MANHOLE SHAFTS AND FRAMES SHALL BE WATERIGHT WITH BUTYL RUBBER MASTIC JOINT SEALING COMPOUND OR APPROVED EQUAL BY THE LOS ANGELES COUNTY PUBLIC WORKS.

PRIVATE CONTRACT SEWER GENERAL NOTES:

- sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the County of Los Angeles Department of Public Works at the Permit Counter, 800 South Fremont Avenue, 3rd Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as road excavation, Caltrans, etc., must be filed with the permit application.
- When work is within a contract city, a sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the City. The contractor must contact the Director of Public Works of that City to determine the location to pay the inspection fees.
- Prior to issuance of any permit, the contractor shall obtain a permit for excavations and trenches from the State of California Division of Industrial Safety, and a Certificate or Worker's Compensation Insurance with the Department of Public Works or the City of Rancho Palos Verdes named as the Certificate Holder or both as applicable. The County of Los Angeles Department of Public Works and/or the City of Rancho Palos Verdes shall be notified 30 days prior to cancellation of the insurance policy.
- If work is done in a State Highway, a permit must be obtained from the State of California Division of Highways, 120 South Spring Street, Los Angeles, California.
- The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
- Approval of this plan by the County of Los Angeles Department of Public Works or the City of Rancho Palos Verdes does not constitute a representation as to accuracy of the location of or the existence or nonexistence of any underground utility pipe or structure within the limits of this project. This note applies to all pages.
- All work shall be in accordance with the latest approved edition of the "Standard Specification for Public Works Construction" including supplements (if there is any), the latest "Additions and Amendments to the Standard Specifications for Public Works Construction", and the latest "Special Provisions for the Construction for Sanitary Sewer" and shall be prosecuted only in the presence of the County of Los Angeles Department of Public Works or the City of Rancho Palos Verdes.
- The contractor's attention is directed to Section 7-10.4.2 of the "Standard Specifications for Public Works Construction" in regard to safety orders and shall conform to the "Minimum Public Safety Requirement" as shown on County of Los Angeles Department of Public Works Standard Plan No. 600B-1.
- Elevations are in feet above U.S.C. and G.S. sea level datum of 1985.
- No revisions shall be made in these plans without the approval of the County of Los Angeles Department of Public Works or the City of Rancho Palos Verdes.
- No representative of the County of Los Angeles Department of Public Works or the City of Rancho Palos Verdes will survey or layout any portion of the work.
- Grades to which this improvement is to be constructed are shown on plans and profiles. Grade point for top of curb, centerline of streets, or centerline of alleys, is shown by circles on profiles at all points between said designed points. The grade shall be established so as to conform to a straight line drawn between said design points.
- The private engineer shall furnish the County of Los Angeles Department of Public Work or the City of Rancho Palos Verdes with grade sheets and stationing for all house laterals and "Y" and "T" branches and shall provide stakes for them at their proper locations with stationing plainly marked. All house laterals shall be constructed in a straight alignment at right angles from the main line sewer except as shown on the plans. House laterals from chimneys shall not have an angle of less than 45 degrees with the M.L. sewer. Any change in alignment shall be requested in writing by the private engineer.
- The private engineer shall furnish the house lateral depth at the property line below the top of curb elevation for each house lateral on the grade sheet.
- An approved backwater valve is required when the pad is lower in elevation than the top of the next upstream manhole.
- Construct Environmental Programs Division for an Industrial Waste Discharge Permit at (626) 458-3517.

CONSTRUCTION NOTES:

- Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole.
- Victified clay pipe joints shall be type "D" or "G" per "Standard Specifications for Public Works Construction" Section 208-2.
- If a power pole is within three feet of the sewer, the sewer shall be encased, per LACDPW Standard Plan 2023-2, Case II, two feet on each side from the point of interference.
- All joints between cast-iron pipe and victified clay shall be made with a rubber sleeve joint, type "D" (with bushing if necessary), per "Standard Specifications for Public Works Construction" Section 208-2.
- House laterals to be constructed with inverts at the property line 6 feet below curb grade except as noted.
- Wye or tee branches may be used for connections to the mainline sewers except as noted.
- If during the course of construction it is determined that there is less than four feet of cover over the top of a mainline or house lateral V.C.P. sewer, which is not indicated on the plans, the pipes shall be encased per LACDPW Standard Plan 2023-2, Case I, unless otherwise approved by the County of Los Angeles Department of Public Works or the City of Rancho Palos Verdes.
- All structures shall be either brick sewer manholes per LACDPW Standard Plan 5-3 (SPWP 203-2), or precast concrete sewer manholes per LACDPW Standard Plan 5-36 (SPWP 203-3), or reinforced precast manhole per LACDPW Standard Plan 2003-2, except as noted.
- Full compliance with Section 306-1.3 of the "Standard Specifications for Public Works Construction" will be required for backfill in street. Certification of backfill, compaction, and sand equivalent by a qualified Civil Engineer shall be provided by the permittee prior to the issuance of a Certificate of Partial Acceptance.
- All backfill and fills outside of the street right of way shall be compacted to 90 percent of the maximum density as determined by ASTM Soil Compaction Test D 1557-78, Method "D", unless otherwise specified. This shall be certified by a qualified Civil Engineer. This certification shall be submitted to the Land Development Division, Permit Section of the County of Los Angeles Department of Public Works or the City of Rancho Palos Verdes prior to the acceptance of the work by the County or the City of Rancho Palos Verdes.
- Manhole tops in improved rights of way to be six inches above finished grade.
- Sewers to be tested for leakage per Section 306-1.4 of the "Standard Specification for Public Works Construction" and "Special Provisions for the Construction of Sanitary Sewer" if applicable.
- Manhole tops in improved rights of way to be level with finished grade.
- All wyes and/or house laterals are to be located at least 5 feet apart, and when possible, not closer than 5 feet to any manhole.
- All pipe materials shall be victified clay pipe or ductile iron pipe or other approved materials by the County of Los Angeles Department of Public Works or the City of Rancho Palos Verdes.
- All chimneys shall have terminal cleanout structure per SPWP std. Plan No. 204-2.
- All ductile iron pipe shall be lined with Protecto 401 Ceramic Epoxy lining.
- Cured in place pipe liner shall be used for all extra strength victified clay pipe if lining is required.

PROFILE, ALIGNMENT, AND GRADE OF
SANITARY SEWERS
TO BE CONSTRUCTED IN
TRACT NO. 50666
PRIVATE CONTRACT (PC) NO. 07-1
2 SHEETS, 4 PAGES
COUNTY OF LOS ANGELES CALIFORNIA
CSMD INDEX S-1601

MARK PESTRELLA - LA COUNTY DIRECTOR OF PUBLIC WORKS
RECOMMENDED BY LAND DEVELOPMENT DIVISION

BY *[Signature]* 9/11/19 DATE
ASSISTANT DIVISION ENGINEER

SUBMITTED *[Signature]* 9/10/19
BY FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION DATE

COUNTY SANITATION DISTRICT NO. 5
OF LOS ANGELES COUNTY, CALIFORNIA
ROBERT C. FERRANTE - CHIEF ENGINEER AND GENERAL MANAGER

APPROVED BY *[Signature]* 9/11/19 DATE
OFFICE ENGINEER

Engineer's / Surveyor's Statement Regarding the Presence of
Monuments within project limits

I hereby attest that I have located and referenced on these plans the monuments existing prior to construction to ensure perpetuation of their location in accordance with section 8771 of the business and professions code. I further attest that I have performed a record search and field inspection to identify existing monuments; shall set sufficient controlling, witness, and permanent monuments; and shall file the requisite corner record or record of survey of the references with the County surveyor.

09/05/2019
Date
Engineer / Surveyor
Seal and Signature

CITY OF RANCHO PALOS VERDES APPROVAL
TRACT NO. 50666 PC NO. _____

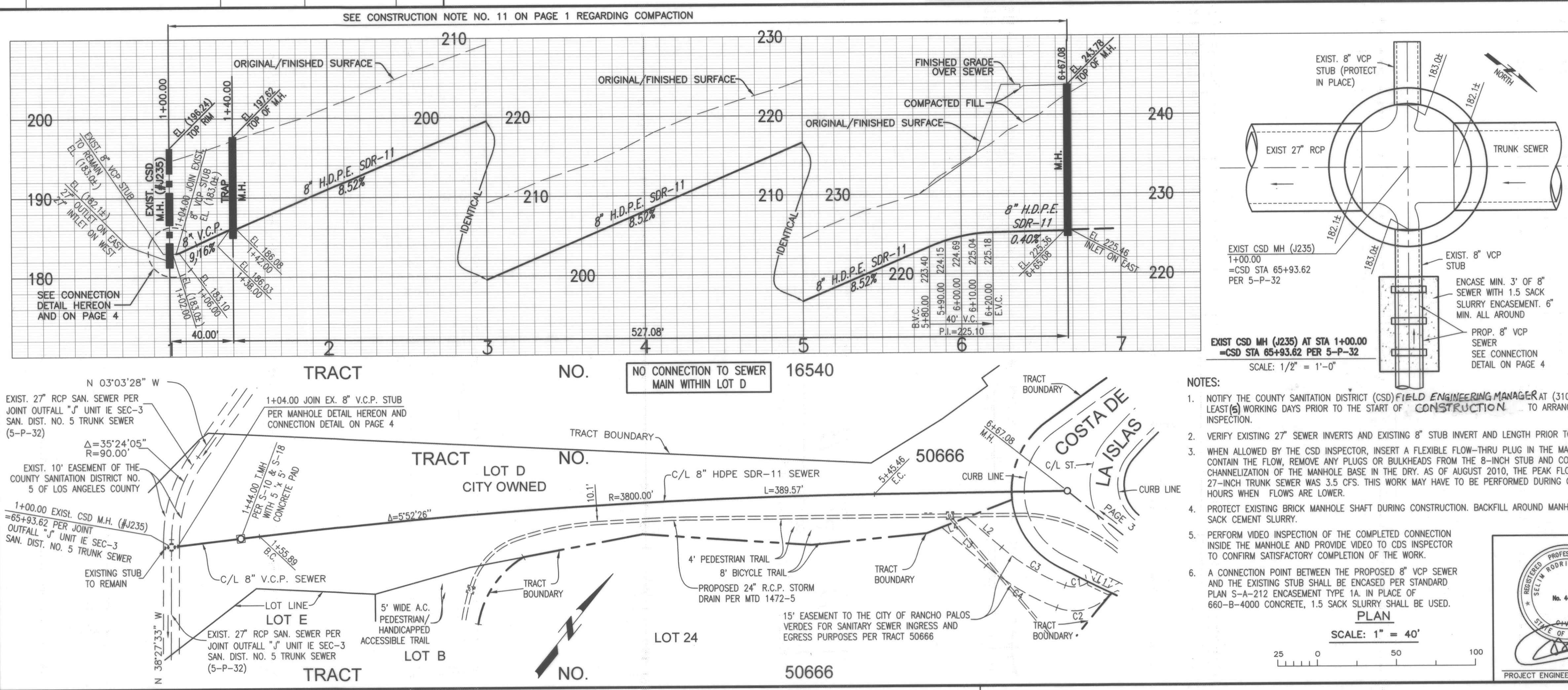
CITY OF RANCHO PALOS VERDES ☐ DISCHARGE ☐ OUTLET APPROVED
WE APPROVE THIS SEWER AREA STUDY PLAN AND CONCUR WITH THE FOLLOWING FINDINGS WITHIN THE CITY ☐ NO MITIGATION ☐ WITH MITIGATION

APPROVED BY *[Signature]* 9-12-19 DATE
ENGINEER RCE

PRIVATE ENGINEERS NOTICE TO CONTRACTORS:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS REQUIRED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS MAP. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TOLL FREE 1-800-422-4133 TO VERIFY THE LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-805-948-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

44179
PROJECT ENGINEER RCE NO. 09/05/2019 DATE



COUNTY SANITATION DISTRICTS (CSD) NOTES:

- NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE PLANS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE CSD FOR SAID CONNECTION.
- SEE CSD MANHOLE DETAIL ON THESE SEWER PLANS.
- ALL WORK INVOLVING CSD SEWERS OR MANHOLES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (GREENBOOK) AND "AMENDMENTS TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION". A COPY OF THE AMENDMENTS AND STANDARD DRAWINGS CAN BE OBTAINED FROM THE CSD ENGINEERING DIVISION (ROOM 110) AT 1955 WORKMAN MILL ROAD, WHITTIER, CA 90601 OR FROM THE CSD WEBSITE AT WWW.LACSD.ORG.
- CSD IS NOT RESPONSIBLE FOR ANY PERSONNEL INJURY OR PROPERTY DAMAGE RELATING TO THE WORK ON THESE SEWER PLANS. THE PROJECT OWNER SHALL INDEMNIFY AND HOLD HARMLESS CSD FROM ANY CLAIMS, DAMAGES OR LOSSES RELATING TO THE WORK ON THESE SEWER PLANS. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO CSD FACILITIES AT ITS EXPENSE.

NO CITY CHARGES/NO LA COUNTY CHARGES FOR CONNECTION

SEE COUNTY SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES

TEL: (626) 908-4288 Ext. 2727

SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'
DOUBLE SCALE

LINE TABLE			CURVE TABLE			
LINE	DIRECTION	LENGTH	CURVE	DELTA	RADIUS	LENGTH
L1	N 77°50'11" E	15.75'	C1	58°52'19"	15.00'	15.41'
L2	N 87°56'38" W	28.96'	C2	71°54'27"	30.00'	37.65'
L3	N 87°56'25" W	36.88'	C3	19°54'39"	135.00'	46.91'
L4	N 29°54'41" E	16.96'	C4	19°54'39"	150.00'	52.13'

NO.	REVISION	REVISED BY	APPROVED BY	DATE

SANITARY SEWER PLANS IN
TRACT NO. 50666 PC NO. RPAL 07-1

REVIEWED BY LAND DEVELOPMENT DIVISION

BY *[Signature]* 9/10/2019 DATE
FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
FOR PLAN CHECK REVIEW FOR THE CITY OF RANCHO PALOS VERDES

SAWAYA ENGINEERING CONSULTANTS, INC
26950 IRONSTONE DRIVE, YORBA LINDA, CA 92887
(626) 715-2320 Tel selim@sawayaeng.com
CIVIL ENGINEERING / LAND PLANNING / SURVEYING

PROJECT ENGINEER 09/05/2019 DATE DWG

2019-09-20 Approved Sewer T: 50666.pdf

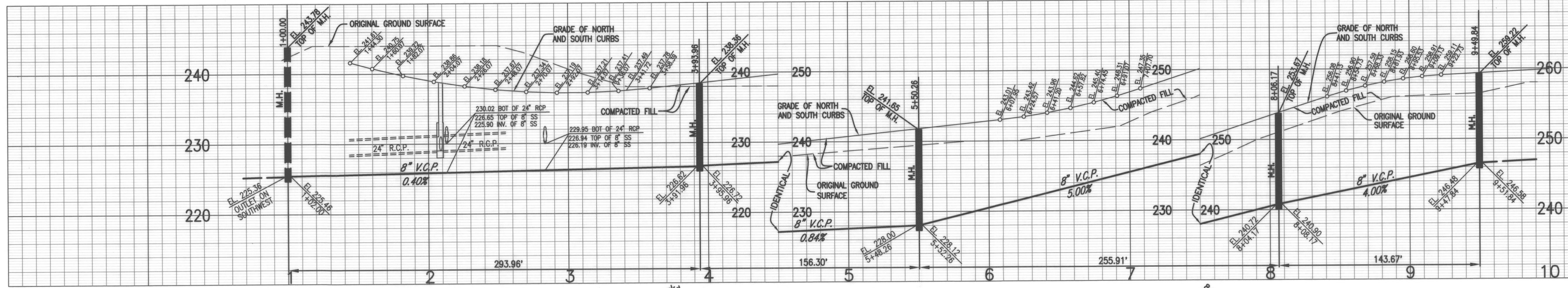
NO CITY CHARGES/NO LA COUNTY CHARGES FOR CONNECTION

SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES

TEL: (562) 699-7411 EX. 2727

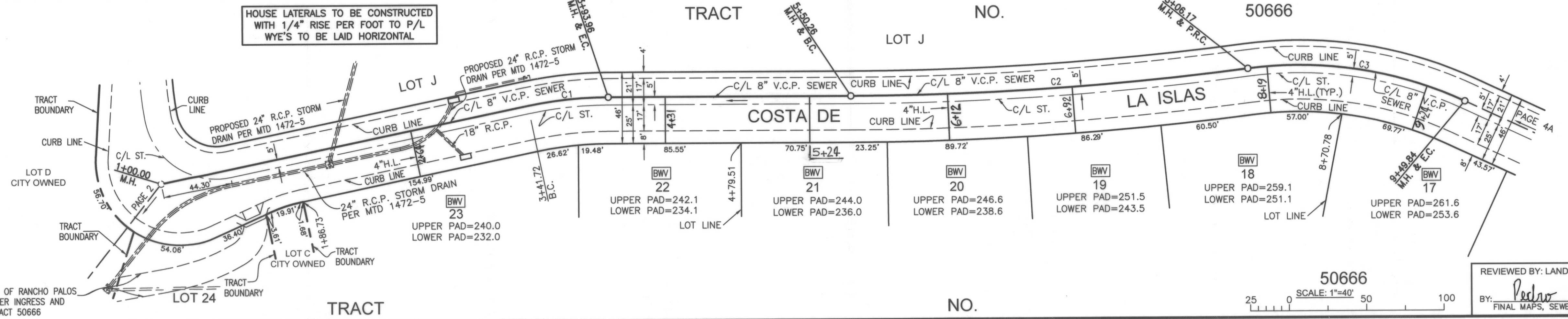
SCALE: VERT. 1" = 8' HORIZ. 1" = 40'

DOUBLE SCALE



C/L SEWER CURVE DATA				
CURVE	Δ	RADIUS	LENGTH	TANGENT
C1	11°44'18"	255.00'	52.24'	28.21'
C2	7°20'59"	1995.00'	255.91'	128.13'
C3	32°16'54"	255.00'	143.67'	73.80'

HOUSE LATERALS TO BE CONSTRUCTED WITH 1/4" RISE PER FOOT TO P/L WYE'S TO BE LAID HORIZONTAL



15' EASEMENT TO THE CITY OF RANCHO PALOS VERDES FOR SANITARY SEWER INGRESS AND EGRESS PURPOSES PER TRACT 50666

REVIEWED BY: LAND DEVELOPMENT DIVISION
BY: *Pedro Romero* 9/10/2019
FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION DATE



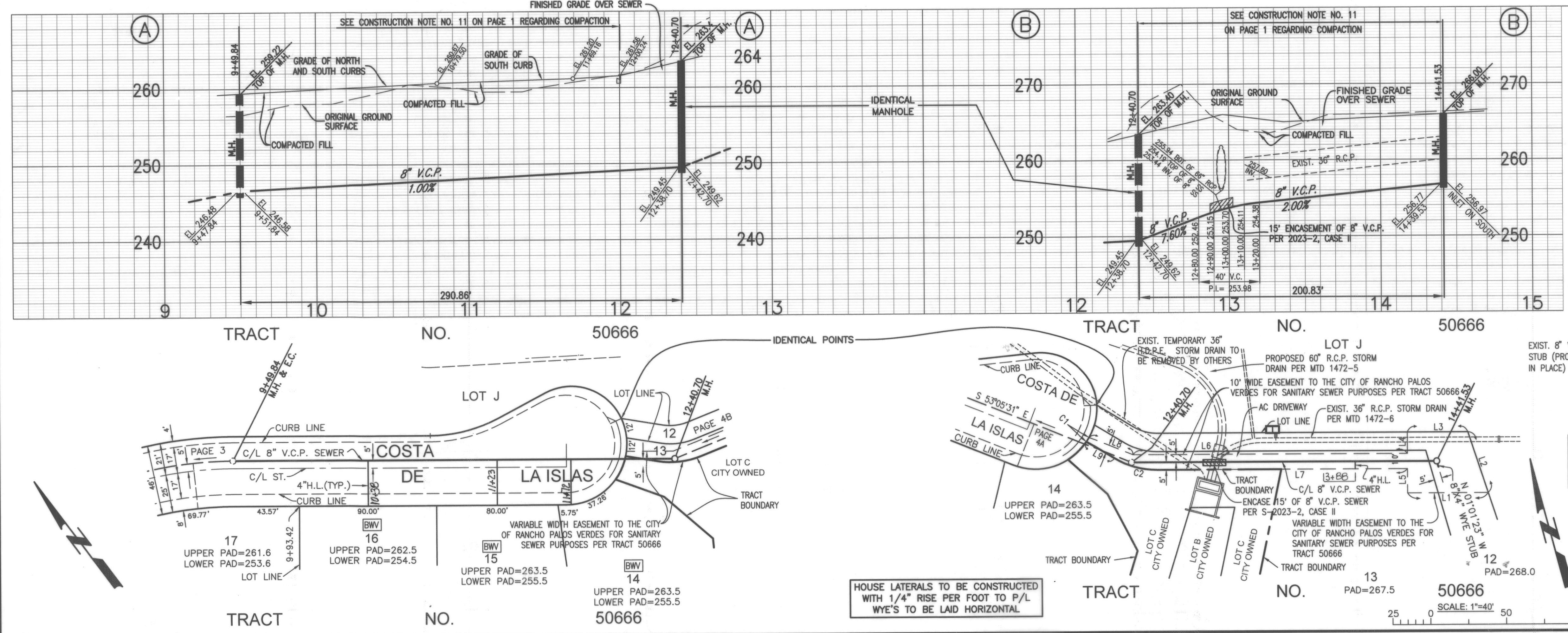
NO CITY CHARGES/NO LA COUNTY CHARGES FOR CONNECTION

SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES

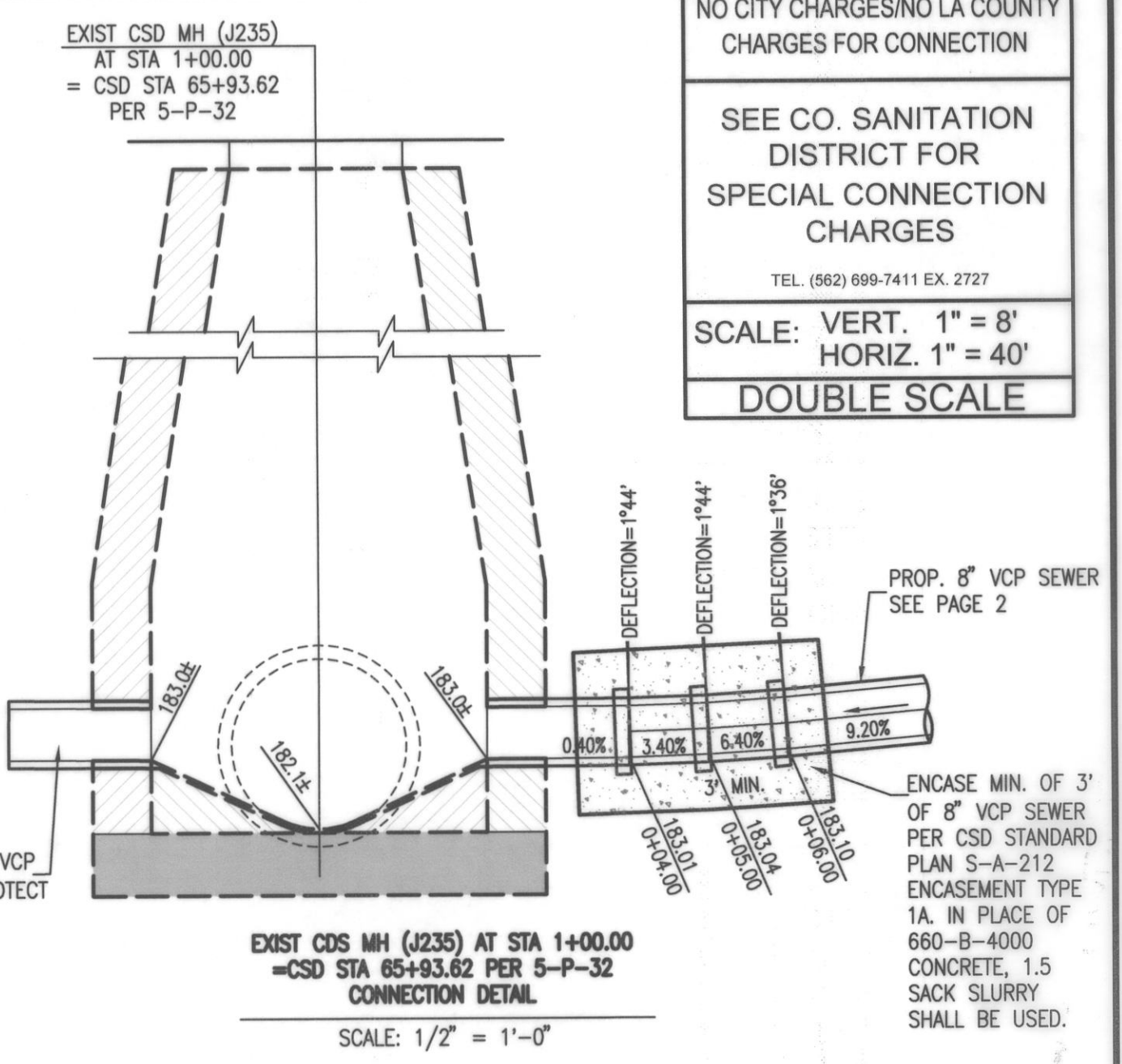
TEL: (562) 699-7411 EX. 2727

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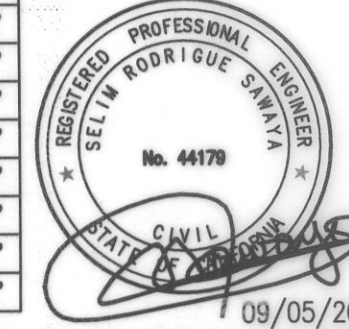
HOUSE LATERALS TO BE CONSTRUCTED WITH 1/4" RISE PER FOOT TO P/L WYE'S TO BE LAID HORIZONTAL



SEWER EASEMENT CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C1	4°43'12"	40.00'	3.30'
C2	30°55'25"	54.00'	29.14'

SEWER EASEMENT LINE TABLE			
LINE	DIRECTION	LENGTH	
L1	N 74°56'44" W	53.28'	
L2	S 03°19'04" E	42.15'	
L3	S 74°56'44" E	40.00'	
L4	N 15°03'16" E	14.00'	
L5	N 15°03'16" E	16.00'	
L6	S 74°56'44" W	180.50'	
L7	N 74°56'44" W	182.43'	
L8	S 53°05'31" E	32.70'	
L9	N 44°01'19" W	21.42'	

REVIEWED BY: LAND DEVELOPMENT DIVISION
BY: *Pedro Romero* 9/10/2019
FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION DATE



Sent from my iPhone